

PATENT APPLICATION SERIAL NO. **10/089800**

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

04/10/2002 UEDUVIJE 00000152 10089800

01 FC:960	1040.00 OP
02 FC:964	84.00 OP

PTO-1556
(5/87)

FORM PTO-1390
(REV. 12-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INVENTOR'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

FORSAL-39

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/089800

INTERNATIONAL APPLICATION NO.
PCT/FI00/00843INTERNATIONAL FILING DATE
02 October 2000 (2.10.00)PRIORITY DATE CLAIMED
04 October 1999 (4.10.99)

TITLE OF INVENTION

Procedure and Means for Generating Turbulence in Stock Suspension Flow

APPLICANT(S) FOR DO/EO/US SOINI, Sakari

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☒ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

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FORSAL-39

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)):**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO \$1040.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$890.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =**CALCULATIONS PTO USE ONLY**

\$ 1040.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	20 - 20 =	0	x \$18.00
Independent claims	4 - 3 =	1	x \$84.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00
TOTAL OF ABOVE CALCULATIONS =			\$ 1,124.00

\$

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Total claims	20 - 20 =	0	x \$18.00
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00
TOTAL OF ABOVE CALCULATIONS =			\$ 1,124.00

\$

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above
are reduced by 1/2. +

\$

SUBTOTAL =

\$

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

TOTAL NATIONAL FEE =

\$

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

\$

0.00

TOTAL FEES ENCLOSED =

\$

1,124.00

Amount to be
refunded:

\$

charged:

\$

- a. ☒ A check in the amount of \$ 1,124.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 15-0660 A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card
information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

David R.J. Stiennon
Lathrop & Clark LLP
740 Regent Street, Suite 400
P.O. Box 1507
Madison, WI 53701-1507
USA

David R.J. Stiennon
SIGNATURE

David R.J. Stiennon

NAME

33,212

REGISTRATION NUMBER

In The United States Patent And Trademark Office

Applicant: Sakari Soini

Date: April 3, 2002

Date Filed: Simultaneously herewith

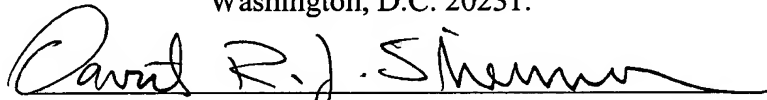
Docket No.: FORSAL-39

PCT App. No.: PCT/FI00/00843

For: Procedure and Means for Generating Turbulence in Stock Suspension Flow

Certificate of Express Mailing

I hereby certify that this document is being deposited with the
United States Postal Service "Express Mail Post Office to
Addressee" service under 35 C.F.R. §1.10
on April 3, 2002
with Mailing Label No. EV 015 204 447 US
and is addressed to the Assistant Commissioner for Patents,
Washington, D.C. 20231.


Signature

David R. J. Stiennon, Reg. No. 33212
Name of applicant, assignee or Registered Representative

Submission of Substitute Specification Under 37 C.F.R. § 1.125

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

A substitute specification, excluding the claims, is filed herewith under the provisions of 37 C.F.R. § 1.125(b).

1. The substitute specification contains no new matter.
2. A marked-up copy of the substitute specification showing the matter being added to and the matter being deleted from the specification of record accompanies this paper. The matter being added is underlined and bold, and the matter being deleted is shown in brackets and bold.
3. The substitute specification is submitted in clean form without markings as to amended material.

Applicant requests that the accompanying substitute specification be entered in the application record.

Respectfully submitted,



David R. J. Stiennon, Reg. No. 33212

Attorney for Applicant

Lathrop & Clark

740 Regent Street, Suite 400

P.O. Box 1507

Madison, Wisconsin 53701-1507

(608) 257-7766

Applicant: Sakari Soini

Date: April 3, 2002

Date Filed: Simultaneously herewith

Docket No.: FORSAL-39

PCT App. No.: PCT/FI00/00843

For: Procedure and Means for Generating Turbulence in Stock Suspension Flow

EXPRESS MAIL LETTER

Box PCT

Assistant Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

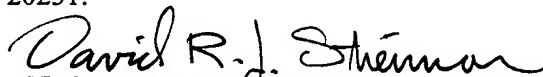
"Express Mail" Mailing Label No.: EV 015 204 447 US

Date of Deposit: April 3, 2002

I hereby certify that these attached documents:

- Response postcard
- Check in the amount of \$1,124.00
- PTO-1390 Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2 pp)(2 copies)
- PCT Cover Sheet (1 p) and Copy of International Application (specification and claims 12 pages; 3 sheets of formal drawings, International Search Report 2 pages)
- Preliminary Amendment (9 pp)
- Submission of Substitute Specification under 37 C.F.R. § 1.125 (1 p)
- Clean Copy of Substitute Specification under 37 C.F.R. 1.125(c) (11 pp)
- Marked Up Copy of Substitute Specification under 37 C.F.R. 1.125(b)(2) (11 pp)
- Information Disclosure Statement (2 pp)
- PTO/SB/08A with 11 attached documents

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 35 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


David R.J. Stiennon, Reg. No. 33,212

Enclosed for filing please find the above-referenced documents. Please indicate receipt by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted,



David R.J. Stiennon, Reg. No. 33,212

Attorney for Applicant

Lathrop & Clark LLP

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